BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 04 Package Y -04 of Yelahanka Zone.

Name of Contractror of nature of Agency:-M/S.Suraksha Electrical

Job Code No:-004-22-000011

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000004 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: **Page No:**

Bill NO :- Bill NO :- 13th RA Bill **Bill Period : 01-12-2023 to 31-12-2023 (for 1 months)**

Sl. No.	Description	Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 36/40 W fluorescent tube light street lighting systems.	Each	1	0	57.12	0.00
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	2136	84.95	181453.20
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	0	93.17	0.00

5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	0	73.33	0.00
6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	98	95.16	9325.68
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	1034	114.80	118703.20
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting system	Each	1	16	131.30	2100.78
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast lighting system	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	0	770.00	0.00
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics)	Each	-	10	4530.00	45300.00

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13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry			Each	-	10	2054.00	20540.00
	Pole Number	**Address**	**Nos**					
	SE/04/TC20/YB/06/00/17/LED	6th B Main road Yelahanka New Town	1					
	SE/04/TC22/YB/00/08/07/S	8th B Cross, B Sector, Yelahanka New Town	1					
	SE/04/TC246/YNT/01B/00/06/S	1st B Main B Sector, Yelahanka New Town	1					
	SE/04/TC22/YB/00/09/13/LED	9th D Cross B Sector, Yelahanka New Town	1					
	SE/04/TC32/YB/07/00/03/LED	7th B Main B Sector, Yelahanka New Town	1					
	SE/04/TC20/YB/00/14/06/S	14th B Cross B Sector, Yelahanka New Town	1					
	SE/04/TC/PM/00/02/11/LED	2nd Cross PM Enclave Yelahanka New Town	1					
	SE/04/TC/PM/00/01/04/S	1st Cross PM Enclave Yelahanka New Town	1					
	SE/04/TC/ML/01/04/00/S	1st Cross Mathru layout	1					
	SE/04/TC/ML/01/07/LED	1st Main, 7th Cross Mathru layout	1					
		Total	**10**					
14	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains,. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source.LED Floodlight 240W			Nos	-	10	18400.00	184000.00
15	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 40x40x6mm			Mtr	-	10	255.00	2550.00
	Ganesha Park Inside of Volley Ball court	**6th A Main road Yelahanka New Town A Sector (10 Numbers)**						
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.100 to 125Amps			Nos	-	5	7200.00	36000.00
	Pole Number	**Address**	**Nos**					
	SE/04/TC251/SN/00/04/08/S	4th Cross, 3rd B Main, Someshwar nagara	1					

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	SE/04/TC/CB/00/00/02/MH/12	High Mast Chikkabommasndra Near	1					
	SE/04/TC/CB/00/04/23/S	Near Someshwara Temple, Chikkabommasndra	1					
	SE/04/TC/JL/20/23/02/S	20th Main, 23rd Cross, Judicial Layout	1					
	SE/04/TC/AL/HNL/00/02/13/S	2nd Cross Hanumaiah Layout Allalasandra	1					
		Total	**5**					
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.			Each	-	5	4030.00	20150.00
	Pole Number	**Address**	**Nos**					
	SE/04/TC71/YB/00/04/16/S	16th Cross 3rd Stage 3rd Phase EWS	1					
	SE/04/TC123/YB/03/00/18/L	3rd Main, Sharada Nagara	1					
	SE/04/TC/12B/00/05/S	12th B Main, B Sector	1					
	SE/04/TC13/YB/00/18B/08/L	18th B Cross, EWS, 3rd Stage, B Sector Yelahanka	1					
	SE/04/TC242/YB/13B/19/S	13th B Main road, B Sector Yelahanka	1					
		Total	**5**					
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 Amps SP			Each		7	723.00	5061.00
	Pole Number	**Address**	**Nos**					
	SE/04/TC488/JL/06/00/13/S	6th Main, judicial layout	1					
	SE/04/TC29/HN/00/01/15/S	Hanumaih Layout, Allalasandra village	1					
	SE/04/TC39/YA/13A/00/31/L	13th Main road A Sector 80 Feet road	1					
	SE/04/TC311/JL/23/00/03/S	23rd Main Judicial Layout	1					
	SE/04/TC39/YA/LBS/00/18/S	2nd Main LBS Nagara	1					
	SE/04/TC72/GK/02/00/06/L	2nd Main GKVK Layout	1					
	SE/04/TC72/GK/01/00/08/S	1st Main GKVK Layout	1					
		Total	**7**					
	TOTAL							**311582.86**
	Add GST 18 % = 12%+6% on item no 1-9					12%	37389.94	**274192.92**
						18%	49354.73	**323547.65**
	Total Rs item no 10-18							**313601.00**
	Add GST 18 % on item no 10-18							**56448.18**
	TOTAL Rs							**693596.83**
	Fine imposed for non burning of street lights For the							**3000.00**
	As per street light agreement clause 2% will be							**6470.95**
	GRAND TOTAL							**684125.87**

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CERTIFICATE

1. This is to certify that the work done is saticefactorily.
2. This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division